

AUTHOR INDEX

- Albertsson, P.-Å., see Eriksson, E. (507) 425
 Allegrini, P.R., see Kramer, R.M. (507) 381
 Allistone, J., see Berry, C. (507) 198
 Arnold, K., see Frenzel, J. (507) 185
 Asano, A., see Ohki, K. (507) 507
- Baholdina, L.P., see Zaslavsky, B.Y. (507) 1
 Baken, P., see de Kruijff, B. (507) 38
 Bangham, A.D., see Yamamoto, H.Y. (507) 197
 Barnett, G., Hui, S. and Benet, L.Z.
 Effects of theophylline on salicylate transport in isolated rat jejunum (507) 517
 Bauer, H.C., see Brunner, G. (507) 419
 Bauer, H.C., Speth, V. and Brunner, G.
 Osmotic effects on the plasma membrane of thymocytes (507) 408
 Benet, L.Z., see Barnett, G. (507) 517
 Benyoucef, M., Rigaud, J.L. and Gary-Bobo, C.M.
 Anion diffusion selectivity in a pore model. The phosphatidylcholine-water lamellar phase (507) 219
 Benz, R., see Boheim, G. (507) 262
 Bernheimer, A.W., see Cowell, J.L. (507) 230
 Berry, C., Allistone, J. and Hallinan, T.
 Phospholipid dependence of UDPglucuronyltransferase (507) 198
 Beyer, E., see Deuticke, B. (507) 137
 Blok, M.C. and van Dam, K.
 Association of bacteriorhodopsin-containing phospholipid vesicles with phospholipid-impregnated Millipore filters (507) 48
 Boheim, G. and Benz, R.
 Charge-pulse relaxation studies with lipid bilayer membranes modified by alamethicin (507) 262
 Boheim, G., Irmscher, G. and Jung, G.
 Trichotoxin A-40, a new membrane-exciting peptide. Part B. Voltage-dependent pore formation in bilayer lipid membranes and comparison with other alamethicin analogues (507) 485
 Boheim, G., see Irmscher, G. (507) 470
 Bollier, C., see Kramer, R.M. (507) 381
 Bonting, S.L., see van Amelsvoort, J.M.M. (507) 83
 Bovermann, G., see Irmscher, G. (507) 470
 Breton, J., see Leterrier, F. (507) 525
 Brunner, G., Bauer, H.C., Suter, D. and Speth, V.
 Artefacts produced during plasma-membrane isolation. I. Cell disruption causes alterations in the structure of the plasma membrane of thymocytes (507) 419
 Brunner, G., see Bauer, H.C. (507) 408
- Calabro, M.A., see Roseman, M.A. (507) 552
 Canellakis, E.S., see Chen, K.Y. (507) 107
 Chen, K.Y., Kramer, R.H. and Canellakis, E.S.
 Isolation and characterization of surface glycoproteins from L-1210, P-388 and HeLa cells (507) 107
 Cousin, J.L. and Motais, R.
 Effect of phloretin on chloride permeability: A structure-activity study (507) 531
 Cowell, J.L., Kim, K.-S., and Bernheimer, A.W.
 Alteration by cereolysin of the structure of cholesterol-containing membranes (507) 230
 Cullis, P.R. and de Kruijff, B.
 Polymorphic phase behaviour of lipid mixtures as detected by ^{31}P NMR. Evidence that cholesterol may destabilize bilayer structures in membrane systems containing phosphatidylethanolamine (507) 207
- Dall'Asta, V., Gazzola, G.C. and Guidotti, G.G.
 Adaptive regulation of amino acid transport in cultured avian fibroblasts. Influence of the amino acid composition of the culture media (507) 165
 Daveloose, D., see Leterrier, F. (507) 525
 De Kruijff, B. and Baken, P.
 Rapid transbilayer movement of phospholipids induced by an asymmetrical

- perturbation of the bilayer (507) 38
- De Kruijff, B., see Cullis, P.R. (507) 207
- De Pont, J.J.H.H.M., see van Amelsvoort, J.M.M. (507) 83
- Desnuelle, P., see Pattus, F. (507) 62
- Desnuelle, P., see Pattus, F. (507) 71
- Deuticke, B., Rickert, I. and Beyer, E.
Stereoselective, SH-dependent transfer of lactate in mammalian erythrocytes (507) 137
- Donner, D.B., Nakayama, K., Lutz, U. and Sonenberg, M.
The effects of bioregulators upon amino acid transport and protein synthesis in isolated rat hepatocytes (507) 322
- Eriksson, E., and Albertsson, P.-Å.
The effect of the lipid composition on the partition of liposomes in aqueous two-phase systems (507) 425
- Falke, D., see Moser, H. (507) 445
- Frenzel, J., Arnold, K. and Nuhn, P.
Calorimetric, ^{13}C NMR and ^{31}P NMR studies on the interaction of some phenothiazine derivatives with dipalmitoyl phosphatidylcholine model membranes (507) 185
- Fried, G.
Cytochrome b-561 in sympathetic nerve terminal vesicles from rat vas deferens (507) 165
- Fuhrmann, G.F., see Kramer, R. (507) 369
- Fujita, A., see Katsuta, K. (507) 271
- Garrahan, P.J., see Rega, A.F. (507) 182
- Gary-Bobo, C.M., see Benyoucef, M. (507) 219
- Gazzola, G.C., see Dall'Asta, V. (507) 165
- Grant, C.M.W., see Sharom, F.J. (507) 280
- Gravis, C., see Ohki, S. (507) 395
- Grinstein, S., Ship, S. and Rothstein, A.
Anion transport in relation to proteolytic dissection of band 3 protein (507) 294
- Guidotti, G.G., see Dall'Asta, V. (507) 165
- Gunter, P.J. and White, J.F.
Evidence for electrogenic bicarbonate transport in *Amphiuma* small intestine (507) 549
- Hallinan, T., see Berry, C. (507) 198
- Holloway, P.W., see Roseman, M.A. (507) 552
- Hsieh, P., see Imada, M. (507) 459
- Hui, S., see Barnett, G. (507) 517
- Hunt, G.R. and Tipping, L.R.H.
A ^1H NMR study of the effects of metal ions, cholesterol and n-alkanes on phase transitions in the inner and outer monolayers of phospholipid vesicular membranes (507) 242
- Imada, M., Hsieh, P. and Sueoka, N.
Separation of mammalian cell surface proteins by a two-dimensional gel electrophoresis system (507) 459
- Irmischer, G., see Boheim, G. (507) 485
- Irmischer, G., Bovermann, G., Boheim, G. and Jung, G.
Trichotoxin A-40, a new membrane-exciting peptide. Part A. Isolation, characterization and conformation (507) 470
- Ito, T., see Kusumi, A. (507) 539
- Joiner, C.H., see Lauf, P.K. (507) 544
- Jørgensen, P.L. and Klodos, I.
Purification and characterization of $(\text{Na}^+ + \text{K}^+)\text{-ATPase}$. VII. Tryptic degradation of the Na-form of the enzyme protein resulting in selective modification of dephosphorylation reactions of the $(\text{Na}^+ + \text{K}^+)\text{-ATPase}$ (507) 8
- Jung, G., see Boheim, G. (507) 485
- Jung, G., see Irmischer, G. (507) 470
- Katsuta, K., Tamai, Y., Watanabe, T., Fujita, S. and Satake, M.
Biochemical characterization of the sub-microsomal membrane of the rat brain. Selective solubilization of the components of the light smooth-surfaced membrane by lysophosphatidylcholine (507) 271
- Kim, K.-S., see Cowell, J.L. (507) 230
- Klodos, I., see Jørgensen, P.L. (507) 8
- Konings, W.N., see Michels, P.A.M. (507) 353
- Kopp, F., see Kramer, R. (507) 369
- Kosower, E.M., see Kosower, N.S. (507) 128
- Kosower, N.S., Kosower, E.M., Lustig, S. and Pluznik, D.H.
F20C, a new fluorescent membrane probe, moves more slowly in malignant and mitogen-transformed cell membranes than in normal cell membranes (507) 128
- Kramer, R., Kopp, F., Niedermeyer, W. and Fuhrmann, G.F.
Comparative studies of the structure and composition of the plasmalemma and the tonoplast in *Saccharomyces cerevisiae* (507) 369
- Kramer, R.H., see Chen, K.Y. (507) 107
- Kramer, R.M., Wüthrich, C., Bollier, C. Allgrini, P.R. and Zahler, P.
Isolation of phospholipase A_2 from sheep erythrocyte membranes in the presence of detergents (507) 381

- Krivich, V.S., see Zaslavsky, B.Y. (507) 1
- Kusumi, A., Ohnishi, S., Ito, T. and Yoshizawa, T.
Rotational motion of rhodopsin in the visual receptor membrane as studied by saturation transfer spectroscopy (507) 539
- Lauf, P.K., Shoemaker, D.G. and Joiner, C.H.
Changes in K^+ pump transport and ouabain binding sites in erythrocytes of genetically low K^+ lambs (507) 544
- Läuger, P.
Transport noise in membranes. Current and voltage fluctuations at equilibrium (507) 337
- Lazdunski, C.J., see Pattus, F. (507) 71
- Lee, A.G.
Calculation of phase diagrams for non-ideal mixtures of lipids, and a possible non-random distribution of lipids in lipid mixtures in the liquid crystalline phase (507) 433
- Le Saux, F., see Leterrier, F. (507) 525
- Leterrier, F., Breton, J., Daveloose, D., Viret, J., Le Saux, F. and Pollet, S.
Physico-chemical state and calcium reactivity of normal and quaking mouse myelin (507) 525
- Lustig, S., see Kosower, N.S. (507) 128
- Lutz, U., see Donner, D.B. (507) 322
- MacDonald, A.G.
A dilatometric investigation of the effects of general anaesthetics, alcohols and hydrostatic pressure on the phase transition in smectic mesophases of dipalmitoyl phosphatidylcholine (507) 26
- Machida, K. and Ohnishi, S.I.
A spin-label study of phosphatidylcholine exchange protein. Regulation of the activity by phosphatidylserine and calcium ion (507) 156
- Michels, P.A.M. and Konings, W.N.
Structural and functional properties of chromatophores and membrane vesicles from *Rhodopseudomonas sphaeroides* (507) 353
- Moser, H., Schneider, D. and Falke, D.
Influence of concanavalin A on protein synthesis and protein release in BHK 21 cells (507) 445
- Motais, R., see Cousin, J.L. (507) 531
- Nakayama, K., see Donner, D.B. (507) 322
- Niedermeyer, W., see Kramer, R. (507) 369
- Nuhn, P., see Frenzel, J. (507) 185
- Ohki, K., Asano, A. and Okada, Y.
Effects of cyclic AMP and calcium ions on virus-induced fusion of Ehrlich ascites tumor cells (507) 507
- Ohki, S., Shinagawa, Y. and Gravis, C.
Mode of action of tertiary amine local anesthetics on axon membrane excitability (507) 395
- Ohnishi, S., see Kusumi, A. (507) 539
- Ohnishi, S.I., see Machida, K. (507) 156
- Okada, Y., see Ohki, K. (507) 507
- Ossipov, N.N., see Zaslavsky, B.Y. (507) 1
- Pattus, F., Desnuelle, P. and Verger, R.
Spreading of liposomes at the air/water interface (507) 62
- Pattus, F., Piovant, M.C.L., Lazdunski, C.J., Desnuelle, P. and Verger, R.
Spreading of biomembranes at the air/water interface (507) 71
- Piovant, M.C.L., see Pattus, F. (507) 71
- Pluznik, D.H., see Kosower, N.S. (507) 128
- Pollet, S., see Leterrier, F. (507) 525
- Rega, A.F. and Garrahan, P.J.
Calcium ion-dependent dephosphorylation of the Ca^{2+} -ATPase of human red cells by ADP (507) 182
- Rickert, I., see Deuticke, B. (507) 137
- Riepl, R.G. and Vidaver, G.A.
Effects of Triton X-100 treatments on the composition and activities of membrane vesicles from pigeon erythrocytes (507) 94
- Rigaud, J.L., see Benyoucef, M. (507) 219
- Rogozhin, S.V., see Zaslavsky, B.Y. (507) 1
- Romero, P.J.
Is the Ca^{2+} -sensitive K^+ channel under metabolic control in human red cells? (507) 178
- Roseman, M.A., Holloway, P.W. and Calabro, M.A.
Binding of cytochrome b_5 to cholesterol-containing phosphatidylcholine vesicles (507) 552
- Rothstein, A., see Grinstein, S. (507) 294
- Saraste, M.
Association of *Pseudomonas* cytochrome oxidase with liposomes (507) 17
- Satake, M., see Katsuka, K. (507) 271
- Schneider, D., see Moser, H. (507) 445
- Sharom, F.J. and Grant, C.M.W.
A model for ganglioside behaviour in cell membranes (507) 280
- Shinagawa, Y., see Ohki, S. (507) 395
- Ship, S., see Grinstein, S. (507) 294

- Shoemaker, D.G., see Lauf, P.K. (507) 544
 Silverman, M., see Turner, R.J. (507) 305
 Sonenberg, M., see Donner, D.B. (507) 322
 Speth, V., see Brunner, G. (507) 419
 Speth, V., see Bauer, H.C. (507) 408
 Sueoka, N., see Imada, M. (507) 459
 Suter, D., see Brunner, G. (507) 419
- Tamai, Y., see Katsuta, K. (507) 271
 Tipping, L.R.H., see Hunt, G.R. (507) 242
 Turner, R.J. and Silverman, M.
 Sugar uptake into brush border vesicles
 from dog kidney. I. Specificity (507) 305
- Van Amelsvoort, J.M.M., van Hoof,
 P.M.K.B., de Pont, J.J.H.H.M. and Bon-
 ting, S.L.
 Is there a plasma membrane-located
 anion-sensitive ATPase? III. Identity of
 the erythrocyte enzyme with $(\text{Ca}^{2+} +$
 $\text{Mg}^{2+})$ -ATPase (507) 83
 Van Dam, K., see Blok, M.C. (507) 48
 Van Hoof, P.M.K.B., see van Amelsvoort,
 J.M.M. (507) 83
- Verger, R., see Pattus, F. (507) 62
 Verger, R., see Pattus, F. (507) 71
 Vidaver, G.A., see Riepl, R.G. (507) 94
 Viret, J., see Leterrier, F. (507) 525
- Watanabe, T., see Katsuta, K. (507) 271
 White, J.F., see Gunter, P.J. (507) 549
 Wüthrich, C., see Kramer, R.M. (507) 381
- Yamamoto, H.Y. and Bangham, A.D.
 Carotenoid organization in membranes.
 Thermal transition and spectral proper-
 ties of carotenoid-containing liposomes
 (507) 119
- Yoshizawa, T., see Kusumi, A. (507) 539
- Zahler, P., see Kramer, R.M. (507) 381
 Zaslavsky, B.Y., Ossipov, N.N., Krivich,
 V.S., Baholdina, L.P. and Rogozhin, S.V.
 Action of surface-active substances on
 biological membranes. II. Hemolytic
 activity of nonionic surfactants (507) 1